

# DART SERVICE INSTRUCTION

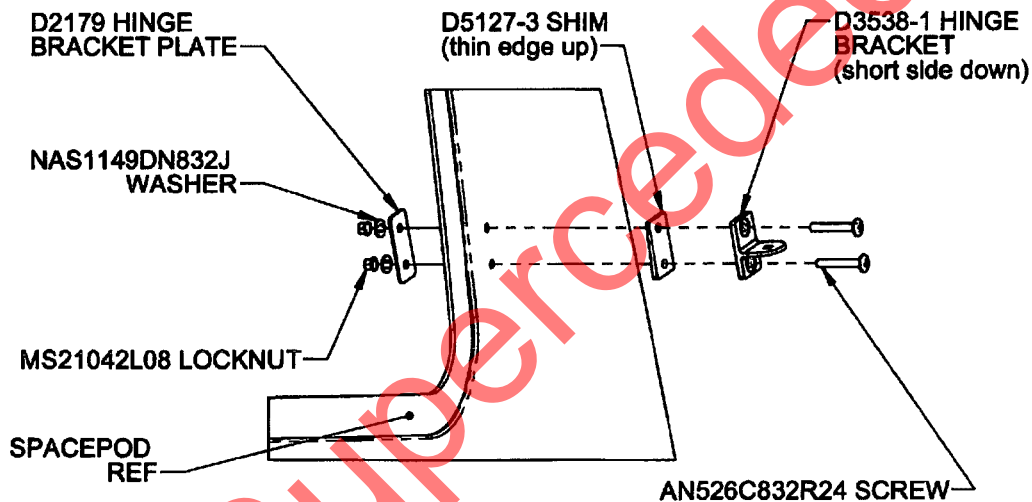
TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-600 REV E AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-600 REV 5  
REF. TCCA STC: SH93-88  
REF. FAA STC: SR00098NY and SR00099NY  
REF. EASA STC EASA.IM.R.S.01292

## 1.0 PURPOSE

In response to customer feedback, Dart is implementing changes designed to ease the mounting of hinge brackets for the forward opening Spacepod and to improve the security of the hinge assemblies. The purpose of this DSI is to introduce the DSI 9701-011 Hinge Shim Kit and to provide instructions and parts lists to install and assemble the hinges on Dart Spacepods D350-600-241/-242/-243/-247/-248/-249. One Kit is required per door.

## 2.0 PROCEDURE

- 2.1 Remove the D3186-3/-4 Spacepod Door by disconnecting the hinges.
- 2.2 Remove the D3538-1 Hinge Brackets and D2179 Hinge Bracket Plates. Retain all parts.
- 2.3 Re-install the D3538-1 Hinge Brackets with the D5127-3 Shims between the Spacepod and Hinge Bracket using the existing mounting holes and fasteners. See Figure 1. The D3538-1 Hinge Brackets should be oriented as per Table 1.
- 2.4 Torque fasteners to 9-12 in-lbs (1-1.4 N-m).



**FIGURE 1: SPACEPOD HINGE INSTALLATION**  
(LOWER HINGE, RH DOOR SHOWN)

SPACEPOD	UPPER D3538-1 BRACKET	LOWER D3538-1 BRACKET
RIGHT SIDE	SHORT SIDE UP	SHORT SIDE DOWN
LEFT SIDE	SHORT SIDE DOWN	SHORT SIDE UP




**TABLE 1: D3538-1 HINGE ORIENTATION**

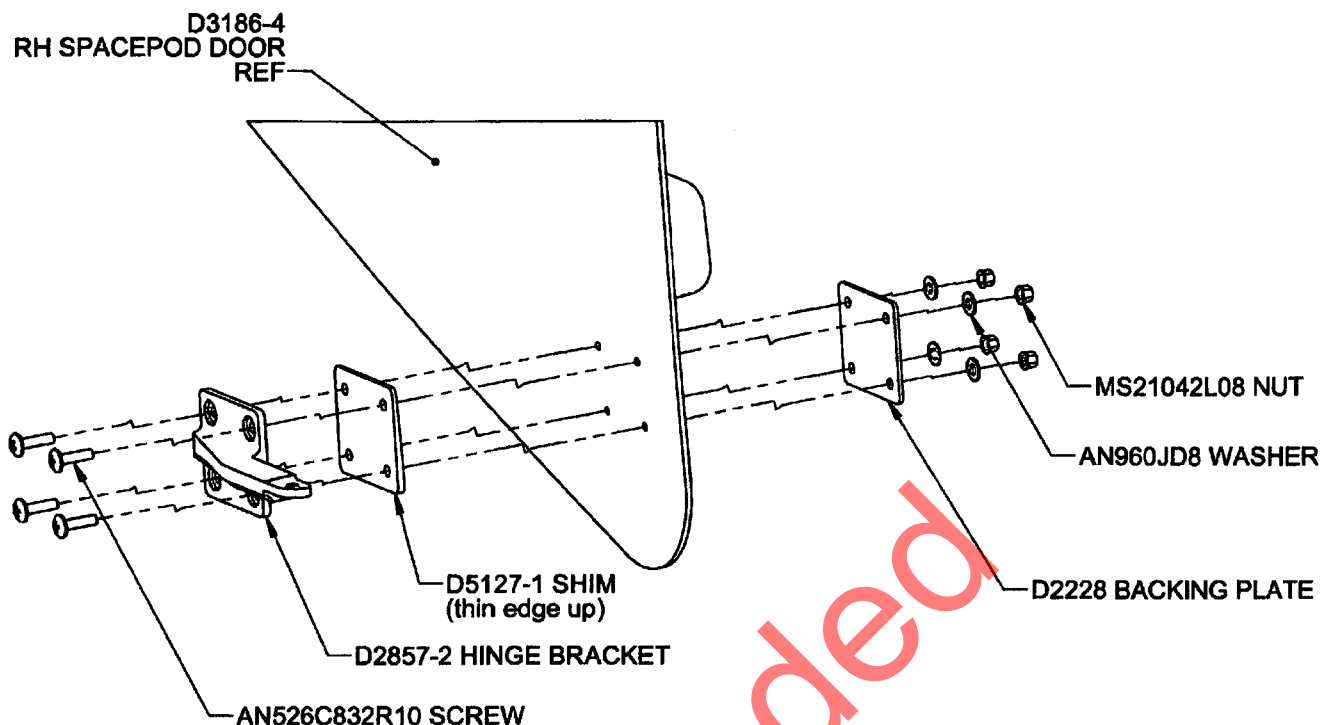
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BRANCH  
DAO # 01-O-01

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BY:   
D. SHEPHERD (DE # 02)

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**FIGURE 2: SPACEPOD DOOR HINGE INSTALLATION**  
(LOWER HINGE, RH DOOR SHOWN)

- 2.5 Remove the D2857-1/-2 Hinge Brackets and D2228 Backing Plates. Retain all parts and fasteners.
- 2.6 Re-install the D2857-1/-2 Hinge Brackets with the D5127-1 Shim between the Spacepod Door and Hinge Brackets, using the existing mounting holes and fasteners. See Figure 2. The hinge brackets should be installed as shown in Table 2.
- 2.7 Torque fasteners to 9-12 in-lbs (1-1.4 N-m).
- 2.8 Re-install the D3186-3/-4 Spacepod Door onto the Spacepod per Section 52.4 of ICA-D350-600. See Figure 3 for reference.

DOOR	UPPER HINGE BRACKET	LOWER HINGE BRACKET
RIGHT SIDE	D2857-1	D2857-2
LEFT SIDE	D2857-2	D2857-1

**TABLE 2: HINGE SELECTION CHART**

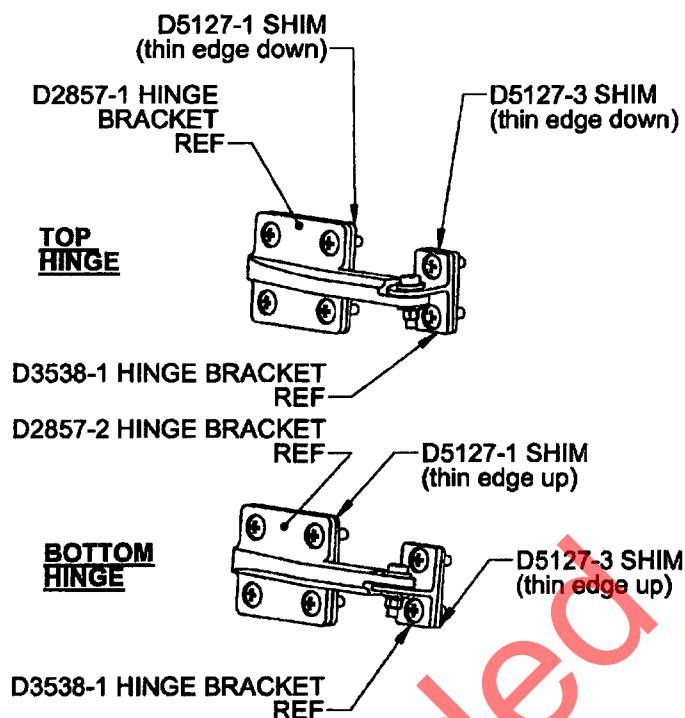
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**FIGURE 3: DSI 9701-011 HINGE KIT ASSY**  
(RH DOOR ASSY SHOWN, LH OPPOSITE)

### 3.0 PARTS LIST

QTY -011	P/N	DESCRIPTION
X	DSI 9701-011	HINGE SHIM KIT
2	D5127-1	SHIM, LARGE
2	D5127-3	SHIM, SMALL

### 4.0 WEIGHT AND BALANCE

There is no Weight and Balance change associated with this update.

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